

Amendments to the Claims:

Please amend claims 10 - 12 and add the following new claim.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (previously presented) A display device comprising:

a back panel which includes a plurality of cathode lines, a plurality of electron sources which are arranged on the plurality of cathode lines, control electrodes which are arranged to face the cathode lines in an opposed manner and control an emission quantity of electrons from the electron sources, and a back substrate which holds the cathode lines; and

a face panel which includes anodes and fluorescent materials, wherein the control electrodes include a plurality of small apertures which allow electrons emitted from the electron sources to pass therethrough to the face panel side at respective regions which face each electron source, and each respective electron source is divided into a plurality of small electron sources corresponding to the plurality of respective small apertures provided in each region, and the small electron sources contain boron.

2. (original) A display device according to claim 1, wherein boron is arranged on control-electrode-side surfaces of the small electron sources.

3. (original) A display device according to claim 1, wherein boron is arranged on cathode-line-side surfaces of the small electron sources.

4. (original) A display device according to claim 1, wherein boron is arranged on surfaces of the cathode lines with respect to a plurality of small electron sources in common.

5. (previously presented) A display device according to claim 1, wherein the area of a small electron source is set smaller than the area of the small aperture which corresponds to the small electron source.

6. (previously presented) A display device comprising:  
a back panel which includes a plurality of cathode lines, a plurality of electron sources which are arranged on the plurality of cathode lines, control electrodes which are arranged to face the cathode lines in an opposed manner and control an emission quantity of electrons from the electron sources, and a back substrate which holds the cathode lines; and  
a face panel which includes anodes and fluorescent materials, wherein the control electrodes include a plurality of small apertures which allow electrons emitted from the electron sources to pass therethrough to the face panel side at respective regions which respectively face the each electron source, and each respective electron source is divided into a plurality of small electron sources corresponding to the plurality of respective small apertures provided in each region, and the small electron sources and the control electrodes contain boron.

7. (original) A display device according to claim 6, wherein the control electrodes are made of a metal material.

8. (previously presented) A display device comprising:  
a back panel which includes a plurality of cathode lines, a plurality of electron sources which are arranged on the plurality of cathode lines, control electrodes which are arranged to face the cathode lines in an opposed manner and control an

emission quantity of electrons from the electron sources, and a back substrate which holds the cathode lines; and

    a face panel which includes anodes and fluorescent materials, wherein the control electrodes include a plurality of small apertures which allow electrons emitted from the electron sources to pass therethrough to the face panel side at respective regions which face each electron source and projecting portions which extend to the back substrate side at portions which differ from portions which face the cathode lines,

    each electron source is divided into a plurality of small electron sources corresponding to the plurality of respective small apertures provided in each region, and

    designating a distance between top faces of the small electron sources and bottom surfaces of the small apertures as "a" and a distance between inner surfaces of projecting portions and a side face of the small electron source closest to the inner surfaces of projecting portions as "b", a relationship  $b \geq 2a$  is established.

9. (previously presented) A display device according to claim 8, wherein one end of the projecting portions is brought into contact with the back substrate.

10. (currently amended) A fabrication method of a display device which comprises a back panel which includes a plurality of cathode lines, a plurality of electron sources which are arranged on the plurality of cathode lines, control electrodes which are arranged to face the cathode lines in an opposed manner and control an emission quantity of electrons from the electron sources and a back substrate which holds the cathode lines, and a face panel which includes anodes and fluorescent materials whereby the fluorescent material emits light in response to electrons irradiated from the electron sources to produce a display, the fabrication method comprising steps of:

    (i) forming a plurality of cathode lines on a back substrate;

- (ii) forming a plurality of electron sources to each cathode line;
- (iii) adhering boron to respective electron sources ~~by way of masks each of which has a plurality of small openings corresponding to each electron source~~; and
- (iv) forming portions of each electron source ~~which correspond to the small openings and to which the boron is adhered into small electron sources by heating each electron source in correspondence with small openings~~.

11. (currently amended) A fabrication method of a display device according to claim ~~10~~ 13, wherein the masks are constituted of the control electrodes.

12. (currently amended) A fabrication method of a display device according to claim ~~10~~ 13, wherein the electron sources are heated at a temperature of equal to or more than 450°C.

13. (new) A fabrication method of a display device according to claim 10, wherein the boron is adhered to respective electron sources by way of masks each of which has a plurality of the small openings corresponding to each electron source, and forming portions of each electron source which correspond to the small openings and to which the boron is adhered into the small electron sources by heating each electron source.